

METHOD AND APPARATUS OF CONCENTRATION AND PURIFICATION OF NUCLEIC ACID

Abstract

In a method for concentration and purification method of nucleic acids using electrophoresis, cationic surfactant is added to a sample containing nucleic acids so as to adjust electric charge of impurities in the sample, and then the sample is placed in an electric field for electrophoresis so as to concentrate and purify the nucleic acids. The cationic surfactant (4) adsorbs substance other than the nucleic acids so as to adjust the electric charge of the substance, and the adsorption of the cationic surfactant (4) is adjusted by the added amount of nonionic surfactant (3). Alternatively, nucleic acids are contacted with a separation medium (108), and then recovered by a filter (104) whose cross sectional area is decreased in the direction of migration.